

## ABSTRACT

5 A method and apparatus for rapid alignment of adaptive feed forward power amplifiers are disclosed. Successful alignment settings are correlated with the operating conditions that affect the gain and phase of an amplifier. These operating conditions may include input power level, carrier frequency, temperature, DC supply voltage, or others. The successful alignment settings along with the corresponding operating conditions are stored in a list that is  
10 indexed using multi-dimensional attribute vectors. The elements of the list are generated automatically.